

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT

REMARKS

Claims 1-8, 11-20, 25-27 and 31-33 are pending in the present application.

Claims 1, 5-6, 8, 19-20, 25-27, 31 and 33 were amended herein. Claim 1 was amended solely for clarity, restating limitations from a passive voice to an active voice (e.g., "instructing" in place of "that instructs") and explicitly reciting limitations inherent in the claim (i.e., that the encoded audio/video stream is one selected from one or more within the data source) and to better define the recited "file reader" without altering the scope of the claim. Similarly, claims 20 and 25 were amended for like reasons and without altering the scope of those claims. Claim 8 was amended to compress the limitations of claims 8-10 into a single dependent claim. Claims 26-27 and 33 were amended solely to delete superfluous language.

Claims 9-10 and 28-30 were canceled herein.

Reconsideration of the claims is respectfully requested.

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT

AMENDMENTS WITH MARKING TO SHOW CHANGES MADE

Claims 1, 5-6, 8, 19-20, 25-27, 31 and 33 were amended herein as follows:

1 1. (currently amended) A digital audio/video decoder comprising:

2 a file reader capable of obtaining any of one or more encoded audio/video data streams
3 from a data source utilizing a file system;

4 a file navigator [that instructs]enabling selection of a particular file on the data source
5 and instructing the file reader to obtain [the]a selected encoded audio/video data stream from
6 the data source;

7 a splitter [that separates]separating the encoded audio/video data stream obtained by the
8 file reader into one or more component data streams; and

9 a reprogrammable proxy filter [that decodes and converts]decoding and converting the
10 one or more component data streams into three or more renderable signals including at least one
11 renderable audio signal and at least two renderable video signals.

1 2. (currently amended) The digital audio/video decoder as recited in claim 1, further comprising
2 a user interface connected to the file navigator for selecting a file containing the encoded
3 audio/video data stream to be obtained.

ATTORNEY DOCKET NO. 97-S-159 (STM101-97159)
U.S. SERIAL NO. 09/207,136
PATENT

1 5. (currently amended) The digital audio/video decoder as recited in claim [1]2, wherein the
2 one or more component data streams further comprises:
3 an audio data stream;
4 a video data stream;
5 a subpicture data stream; and
6 a navigation data stream.

1 6. (currently amended) The digital audio/video decoder as recited in claim 5, wherein the file
2 navigator is coupled to the splitter such that the file navigator can use the navigation data stream
3 to select the file containing the encoded audio/video data stream to be obtained according to one
4 or more selection signals received from the user interface.

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT

1 7. (currently amended) The digital audio/video decoder as recited in claim 1, wherein the
2 reprogrammable proxy filter further comprises:

3 an audio decoder;

4 a video decoder; and

5 a subpicture decoder,

6 wherein each of the audio decoder, the video decoder and the subpicture decoder may
7 be selectively updated or replaced within the proxy filter.

1 8. (currently amended) The digital audio/video decoder as recited in claim 1, wherein the
2 reprogrammable proxy filter can decode and convert [a] component data streams that
3 conform[s] to one or more of an MPEG coding standard, a Dolby AC-3 coding standard, a PCM
4 coding standard.

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT

1 19. (currently amended) The digital audio/video decoder as recited in claim 17, wherein the
2 data source is a digital video disk (DVD), the digital audio/video decoder further comprising:
3 a DVD device driver; and
4 a DVD drive.
5 wherein the file reader accesses the DVD through the DVD device driver and DVD
6 drive.

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT

1 20. (currently amended) A digital audio/video decoder comprising:

2 a file reader capable of obtaining any of one or more encoded audio/video data streams
3 from a data source utilizing a file system;

4 a navigator [that instructs] enabling selection of a particular file on the data source and
5 instructing the file reader to obtain [the] a selected encoded audio/video data stream from the
6 data source;

7 a user interface connected to the navigator and having one or more predefined functions
8 for selecting [the] an encoded audio/video data stream to be obtained;

9 a splitter [that separates] separating the encoded audio/video data stream obtained by the
10 file reader into an audio data stream, a video data stream, a subpicture data stream and a
11 navigation data stream[;], wherein the navigator [being] is coupled to the splitter such that the
12 navigator can use the navigation data stream to select the encoded audio/video data stream to
13 be obtained;

14 an audio filter [that decodes and converts] decoding and converting the audio data stream
15 into a renderable audio signal;

16 a video filter [that decodes and converts] decoding and converting the video data stream
17 into a renderable video signal;

18 a subpicture filter [that decodes and converts] decoding and converting the subpicture
19 data stream into a renderable subpicture signal;

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT

20 a mixer [for] combining the renderable subpicture signal with the renderable video signal
21 and producing a combined video signal;
22 a synchronizing filter [for] synchronizing the renderable audio signal and the combined
23 video signal;
24 an audio renderer coupled to the audio decoder and an audio application program
25 interface, the audio renderer controlling the manipulation and rendering of an audio signal from
26 the renderable audio signal; and
27 a video renderer coupled to the mixer and a video application program interface, the
28 video renderer controlling the manipulation and rendering of a video signal from the combined
29 video signal.

ATTORNEY DOCKET NO. 97-S-159 (STM101-97159)
U.S. SERIAL NO. 09/207,136
PATENT

1 25. (currently amended) A digital audio/video system comprising:

2 a DVD drive;

3 a file reader communicably coupled to the DVD drive to obtain any of one or more
4 encoded audio/video data streams from the DVD drive utilizing a file system;

5 a navigator communicably coupled to the file reader [to instruct] enabling selection of
6 a particular file on the data source and selectively instructing the file reader to obtain [the] a
7 particular encoded audio/video data stream corresponding to a selected file from the DVD drive;

8 a splitter communicably coupled to the file reader [that separates] and separating the
9 encoded audio/video data stream into one or more data streams;

10 a reprogrammable proxy filter communicably coupled to the splitter [that decodes and
11 converts] and decoding and converting the one or more component data streams into three or
12 more renderable signals including at least one renderable audio signal and at least two
13 renderable video signals;

14 a mixer communicably coupled to the reprogrammable proxy filter [for] and combining
15 the at least two renderable video signals and producing a combined video signal;

16 an audio renderer coupled to the reprogrammable proxy filter and an audio application
17 program interface, the audio renderer controlling the manipulation and rendering of the at least
18 one renderable audio signal; and

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT

19 a video renderer coupled to the mixer and a video application program interface, the
20 video renderer controlling the manipulation and rendering of the combined video signal.

1 26. (currently amended) The digital audio/video system as recited in claim 25, further
2 comprising a user interface connected to the file navigator [for] and selecting the encoded
3 audio/video data stream to be obtained.

1 27. (currently amended) The digital audio/video system as recited in claim 26, wherein the user
2 interface further comprises more than one predefined function[s] for selecting the encoded
3 audio/video data stream to be obtained.

1 31. (currently amended) The digital audio/video system as recited in claim 25, wherein the
2 reprogrammable proxy filter uses one or more decoding standards to decode and convert the one
3 or more component data streams and contains software that may be selectively updated or
4 replaced.

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)

U.S. SERIAL NO. 09/207,136

PATENT

1 33. (currently amended) The digital audio/video system as recited in claim 25, further
2 comprising:

3 a sound card;

4 an audio driver [for] receiving the rendered audio signal from the audio application
5 program interface and controlling the sound card such that an audio output signal is produced
6 from the rendered audio signal;

7 a video graphics adapter; and

8 a video driver [for] receiving the rendered video signal from the video application
9 program interface and controlling the video graphics adapter such that a video output signal is
10 produced from the rendered video signal.

ATTORNEY DOCKET NO. 97-S-159 (STMI01-97159)
U.S. SERIAL NO. 09/207,136
PATENT


If any issues arise, or if the Examiner has any suggestions for expediting allowance of this Application, the Applicant respectfully invites the Examiner to contact the undersigned at the telephone number indicated below or at *dvenglarik@davismunck.com*.

The Commissioner is hereby authorized to charge any additional fees connected with this communication or credit any overpayment to Deposit Account No. 50-0208.

Respectfully submitted,

DAVIS MUNCK, P.C.

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